ENACT

EARLY NOTIFICATION TO ACT, CONTROL, AND TREAT

Protecting Americans' health by empowering them with early and actionable health information.

FUNDING

The funding program **ENACT** (Early Notification to Act, Control, and Treat) was established in 2018 within DRIVe (Division of Research, Innovation, and Venture) by the Biomedical Advanced Research and Development Authority (BARDA).

NOTIFICATION

Need for Early Health Notification

"As COVID-19 has made clear, early and actionable health information is not only critical to empower people to get treated earlier and prevent spread, it can provide entirely new ways to do population-scale epidemiology."

- Sandeep Patel, DRIVe Director

MISSION

ENACT aims to protect Americans and save lives via technologies that enable early and actionable health status notification. Our mission area is CBRN threats, but our technologies are disease agnostic. The end users of our technologies are patients, medical care providers, and health care organizations.

VISION

ENACT endeavors to upend the traditional healthcare paradigm by empowering patients, medical care providers, and public health organizations with early health status information. We envision equitable access to technologies that enable

- At-home detection of illness (to ACT),
- Rapid diagnostics (to TREAT), and
- Real-time information about illness and injury (to CONTROL)

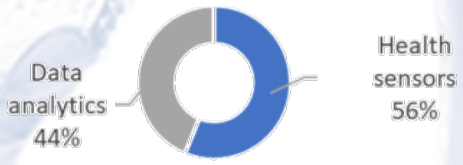
KEY METRICS

$10.3M invested by DRIVe

$4.7M cost-sharing by partners

12 threat agnostic contracts

4 COVID-19 contracts



OBJECTIVIES

- ENACT funds contracts rapidly (up to 60 days) via the streamlined EZ-broad agency announcement: EZ-BAA. We contribute up to $749k and the applicant contributes 30% or more of the project cost.
- ENACT supports TRL3-6 projects and requires human pilot studies.
- ENACT provides clinical, regulatory, and commercialization expertise through DRIVe.

STRATEGY

ENACT supports an integrated approach to obtain early health status notification via

- The development of novel physiological sensors,
- Powerful artificial intelligence (AI) and machine learning (ML) data analytics solutions, and
- Data tracking and sharing platforms

AREAS OF INTEREST

- Host-response driven pre-symptomatic illness detection
- Physiological sensors and imaging modalities in novel form factors
- Early shock and trauma detection
- Data analytics using AI-ML
- Apps for patient and resource allocation

OUR TEAM

- We are a dedicated team of scientists, program managers, and venture entrepreneurs, who are committed to identifying and addressing threats to health security.
- We value restless innovation, a collaborative spirit, flexibility, and equitable technology access for all.

ASPR ASSISTANT SECRETARY FOR PREPAREDNESS AND RESPONSE | BARDA | DRIVe Transforming Health Security

The Division of Research, Innovation, and Ventures (DRIVe) was established by the Biomedical Advanced Research and Development Authority (BARDA), part of the Assistant Secretary for Preparedness and Response (ASPR), within the United States Department of Health and Human Services (HHS).